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# DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

## HIGH THROUGHPUT MISSING PATTERN DETECTOR FOR SERVO PRINTED RECORDING MEDIA,

the specification of which:

(check one)

☒ ☐ is attached hereto.

☐ ☐ was filed on \_\_\_\_\_ as  
Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application (s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

☐ Yes ☐ No

\_\_\_\_\_  
(Number) (Country) (Day/Month/Year Filed)

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status)  
(patented, pending, abandoned)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status)  
(patented, pending, abandoned)

Declaration for Patent Application

Page 1

Declaration POA.DOC

Direct all telephone calls to James A. Sheridan at (650) 330-2310.

Address all correspondence to:

MOSEY, PATTERSON & SHERIDAN, LLP  
350 Cambridge Avenue, Suite 250  
Palo Alto, California 94306

File No. SEA/3369

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first or sole  
Inventor:

SHIH-FU LEE

Inventor's signature:

Date:

September 3, 2003

Residence:

1151 Farragut Drive  
Fremont, California 94539

Citizenship:

Taiwan

Post Office Address:

Same as above

Full name of second  
Inventor:

DAVID KUO

Inventor's signature:

Date:

September 3, 2003

Residence:

3308 Kipling Street  
Palo Alto, California 94306

Citizenship:

U.S.A.

Post Office Address:

Same as above

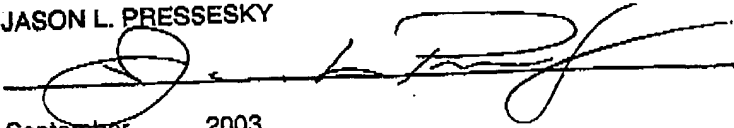
Declaration for Patent Application  
Page 2

Declaration\_POA.DOC

Full name of third  
Inventor:

JASON L. PRESSESKEY

Inventor's signature:



Date:

September \_\_, 2003

Residence:

880 Harvard Avenue  
Menlo Park, CA

Citizenship:

U.S.A.

Post Office Address:

Same as above

Declaration for Patent Application  
Page 3

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**POWER OF ATTORNEY BY ASSIGNEE  
CERTIFICATE BY ASSIGNEE UNDER 37 C.F.R. § 3.73(b)**

In the patent application identified below.

**HIGH THROUGHPUT MISSING PATTERN DETECTOR FOR  
SERVO PRINTED RECORDING MEDIA**

(check one) ☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_

Seagate Technology LLC, certifies under 37 C.F.R. 3.73(b) that it is the assignee of the entire right, title and interest in the above-identified patent application by assignment. **A COPY OF THE ASSIGNMENT DOCUMENT IS ATTACHED HERETO.** Seagate Technology LLC hereby revokes all powers of attorney previously given in the above-identified patent application and hereby appoints the attorneys and agents of the firm listed as:

Raymond R. Moser, Jr., Reg. No. 34,682; B. Todd Patterson, Reg. No. 37,906; Eamon J. Wall, Reg. No. 39,414; Kin-Wah Tong, Reg. No. 39,400; Keith M. Tackett, Reg. No. 32,008; Douglas H. Elliott, Reg. No. 32,982; James A. Sheridan, Reg. No. 25,435; Sarah J. Brashears, Reg. No. 38,087; Breton G. Graham, Reg. No. 48,149; John C. Carey, Reg. No. 51,530; Gero McClellan, Reg. No. 44,227; Peter L. Brewer, Reg. No. 41,636, and Teresa M. O'Connor, Reg. No. 53,399 provided that if any one of said attorneys/agents ceases being affiliated with the law firm of Moser, Patterson & Sheridan, LLP as partner, employee or of counsel, such attorney's /agent's appointment as attorney and all powers derived therefrom shall terminate on the date such attorney/agent ceases being so affiliated; and also attorneys/agents Joseph F. Villella, Jr., Reg. No. 30,599; Raghunath S. Minisandram, Reg. No. 38,683; Shawn B. Dempster, Reg. No. 34,321; Paul T. Dietz, Reg. No. 38,858; Kirk A. Cesari, Reg. No. 47,479; Mitchell K. McCarthy, Reg. No. 38,794; Carol I. Bordas, Reg. No. 37,284; Derek J. Berger, Reg. No. 45,401; David K. Lucente, Reg. No. 36,202; Jennifer Buenzow, Reg. No. 50,124; Jesus Del Castillo, Reg. No. 51,604 and Brendan Hanley, Reg. No. 52,429 of Seagate Technology LLC, as its attorney/agents with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith.

I ratify all prior actions taken by the attorneys and agents identified above in connection with the prosecution of the above-mentioned patent application. In addition, I authorize the attorneys and agents identified above to insert the filing date and serial no. of the application, as needed.

Please address all correspondence and all telephone calls to B. Todd Patterson at (713) 623-4844 in care of:

**MOSER, PATTERSON & SHERIDAN, LLP**  
3040 Post Oak Boulevard, Suite 1500  
Houston, Texas 77056-6582  
Phone: (713) 623-4844  
Facsimile: (713) 623-4846

**SEAGATE TECHNOLOGY LLC**

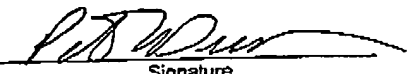
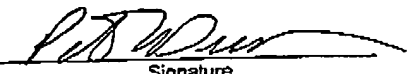
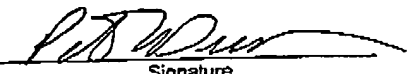
By: \_\_\_\_\_

Raghunath S. Minisandram

Title: Senior Director of Intellectual Property

Date: September 12, 2003, 2003

Attorney Docket No. SEA/3369

RECORDATION FORM COVER SHEET		U.S. Department of Commerce Patent and Trademark Office			
PATENTS ONLY					
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.					
1. Name of conveying party(ies):  SHIH-FU LEE DAVID KUO JASON PRESSESKEY  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  3. Nature of conveyance:  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other  Execution Date: <u>SEPTEMBER 3, 2003</u>	2. Name and address of receiving party(ies):  Name: <u>Seagate Technology LLC</u>  Internal Address: _____  Street Address: <u>920 Disc Drive, Building 15</u>  City: <u>Scotts Valley</u> State: <u>California</u> Zip: <u>95066</u>  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
4. Application number(s) or registration number(s):  If this document is being filed together with a new application, the execution date of the application is: <u>September</u> , 2003 (Date of Filing)  A. Patent Application No.(s) _____  B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: <u>B. Todd Patterson</u>  Internal Address: <u>Moser, Patterson &amp; Sheridan, LLP</u>  Street Address: <u>3040 Post Oak Blvd., Suite 1500</u>  City: <u>Houston</u> State: <u>Texas</u> Zip: <u>77056</u>		6. Total number of applications and patents involved: <u>1</u>  7. Total fee (37 C.F.R. 3.41) \$ <u>40.00</u>  <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number: <u>20-0782</u> Please debit underpayment or credit any overpayment to the above deposit account.  Our Order No. <u>SEA/3369</u>  (Attach duplicate of this page if paying by deposit account.)			
DO NOT USE THIS SPACE					
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  <table border="0"><tr><td>Peter L. Brewer, Reg. No. 41,636 Name of Person Signing</td><td> Signature</td><td>October 15, 2003 Date</td></tr></table> Total number of pages including cover sheet, attachments and document: <u>3</u>			Peter L. Brewer, Reg. No. 41,636 Name of Person Signing	 Signature	October 15, 2003 Date
Peter L. Brewer, Reg. No. 41,636 Name of Person Signing	 Signature	October 15, 2003 Date			

Mail documents to be recorded with required cover sheet information to:  
Mail Stop Box Assignments, Commissioner of Patents  
P.O. Box 1450, Alexandria, VA 22313-1450

211634\_1

Attorney Docket No.: SEA/3369  
Seagate Docket No.: STL/3369

## ASSIGNMENT

WHEREAS, I am an original joint inventor of an invention entitled

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that is the subject matter of:

- ☐ a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. \_\_\_\_\_ filed on \_\_\_\_\_;
- ☒ an application for Letters Patent to be filed in the United States Patent and Trademark Office by Application No. \_\_\_\_\_ filed on October 15, 2003; and
- ☐ an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No. \_\_\_\_\_ filed on \_\_\_\_\_; and

WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and I authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

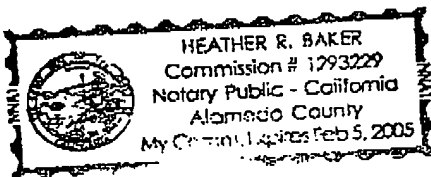
I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

I represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.

Shih-Fu Lee  
SHIH-FU LEE (Inventor)

Subscribed and sworn to before me at Fremont, California, a Notary Public, this  
3 day of September, 2003.

(SEAL)

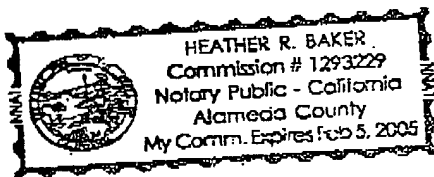


Heather R. Baker  
Notary Public

David Kuo  
DAVID KUO (Inventor)

Subscribed and sworn to before me at Fremont, California, a Notary Public, this  
3 day of September, 2003.

(SEAL)

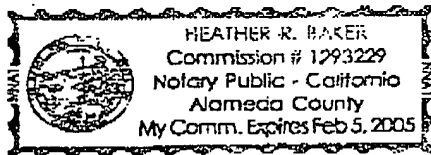


Heather R. Baker  
Notary Public

Jason L. Pressesky  
JASON L. PRESSESKY (Inventor)

Subscribed and sworn to before me at Fremont, California, a Notary Public, this  
3 day of September, 2003.

(SEAL)



Heather R. Baker  
Notary Public



Attorney Docket No.: SEA/3369  
Seagate Docket No.: \_\_\_\_\_**ASSIGNMENT**

WHEREAS, I am an original joint inventor of an invention entitled

**HIGH THROUGHPUT MISSING PATTERN DETECTOR  
FOR SERVO PRINTED RECORDING MEDIA**

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- ☐ a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. \_\_\_\_\_ filed on \_\_\_\_\_;
- ☒ an application for Letters Patent to be filed in the United States Patent and Trademark Office by Application No. \_\_\_\_\_ filed on September \_\_\_\_, 2003; and
- ☐ an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No. \_\_\_\_\_ filed on \_\_\_\_\_; and

WHEREAS, Seagate Technology LLC, a limited liability company organized and existing under the laws of the State of Delaware and the United States of America, and having offices at 920 Disc Drive, Scotts Valley, California 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and I authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this Instrument the filing date(s) and application numbers when ascertained. I further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified International application and any international application for the invention.

I represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.